Catalogue Supplement

Aquafax

Marine and Industrial Equipment Distributors

E-mail: sales@aquafax.co.uk
Website: www.aquafax.co.uk

British Marine Federation

2-4	*English Braids Rope & Cord*
4-5	*TREM Navigation Lights, Wooden Plugs, Stowage Bags & general boat equipment*
6	*Spinflo Oven & Hobs*
7	*CAN-SB Jerry Cans, Gland Packing, Anti-syphon Lock Valve, Water Filtration*
8-10	*Thetford Portable & Cassette Toilets & Fluids*
10	*One-Chem Toilet Fluids*
11-13	*Hep$_2$O Plumbing Fittings*
14	*Speedfit Plumbing Fittings*
15	*Johnson Pump Pumps, Radial Blower & Tank*
16	*Gas Fittings, Sealant & Double Bolt Clamps*
17	*Armorvin Hose, Clamp Aid & Tru-Plug*
18	*Instatrim Trim Tabs*
19-22	*Ultraflex Outboard Hose Kit & Steering System, Hydraulic Helms, Cylinders & Tie Bars*
23	*Blue Sea Panels & Shield Batteries*
24	*Morsø Stoves & Spares*
25	*Narrowboat brassware, Equipoise Propeller & Shoreline Fridge*
26-27	*New from Mastervolt & Lewmar*

Five Depots Nationwide

Aquafax Limited, 14 Dencora Way, Sundon Business Park, Luton, Beds LU3 3HP	Tel:(01582) 568700	Fax:(01582) 568720
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NEW

ENGLISH BRAIDS - ROPES & CORDS

ENGLISH BRAIDS performance ropes

SUPER BRAID ON BRAID POLYESTER (Pre-stretched)

Now up-rated for improved performance, Braid on Braid remains the first choice for polyester halyards & sheets. Pre-stretched yet easily spliceable, braid on braid resists kinking and maintains flexibility in all conditions.

Ref.	Dia.	Reel Length	White Part No.	Red Fleck Part No.	Blue Fleck Part No.	Green Fleck Part No.	Breaking Load
R60P	6mm	200m	6-00332-W	6-00332-R	6-00332-B	6-00332-GN	1230kgs
R80P	8mm	200m	6-00334-W	6-00334-R	6-00334-B	6-00334-GN	2000kgs
R100P	10mm	200m	6-00336-W	6-00336-R	6-00336-B	6-00336-GN	2550kgs
R120P	12mm	100m	6-00338-W	6-00338-R	6-00338-B	6-00338-GN	4000kgs
R140P	14mm	100m	6-00340-W	6-00340-R	6-00340-B	–	6000kgs

FASTLINE - BRAIDED MOORING LINES (Soft Eye)

Braid on braid mooring lines in white, black or navy blue, spliced in the factory and presented in performance rope bags.

Ref.	Dia.	Reel Length	White Part No.	Black Part No.	Navy Part No.
R100P	10mm	8m	6-00350-W	6-00350-BK	6-00350-N
R120P	12mm	10m	6-00352-W	6-00352-BK	6-00352-N
R140P	14mm	12m	6-00354-W	6-00354-BK	6-00354-N

SPRINTLINE (16 Plait Polyester Pre-stretched)

Combining superb handling with strength, the pre-stretching process ensures optimum control for halyards. Specially designed for the dinghy sailor. Sprintline is also ideal for control lines, leach lines, outhauls, lanyards and sailboats. Bright colours with contrasting flecks means easy identification in use.

Ref.	Dia.	Reel Length	Blue Part No.	Green Part No.	Yellow Part No.	Red Part No.	Black Part No.	Grey Part No.	Breaking Load
30	3mm	100m	6-00368-B	6-00368-GN	6-00368-Y	6-00368-R	6-00368-BK	6-00368-GY	180kgs
40	4mm	100m	6-00370-B	6-00370-GN	6-00370-Y	6-00370-R	6-00370-BK	6-00370-GY	230kgs
50	5mm	100m	6-00372-B	6-00372-GN	6-00372-Y	6-00372-R	6-00372-BK	6-00372-GY	600kgs
60	6mm	100m	6-00374-B	6-00374-GN	6-00374-Y	6-00374-R	6-00374-BK	6-00374-GY	750kgs

8 PLAIT MULTIFILAMENT POLYPROPYLENE

Light-weight floating sheet rope available in bright colours with contrasting fleck. Suitable for use in light winds. Very soft and flexible.

Ref.	Dia.	Reel Length	White Part No.	Red Part No.	Yellow Part No.	Breaking Load
PK60	6mm	300m	6-00464-W	6-00464-R	6-00464-Y	560kgs
PK80	8mm	200m	6-00466-W	6-00466-R	6-00466-Y	1060kgs
PK100	10mm	200m	6-00468-W	6-00468-R	6-00468-Y	1400kgs

8 STRAND NYLON ANCHOR BRAID

The number one choice for anchor warps due to strength and high-stretch characteristics along with exceptional flexibility and non-kinking. Easily spliced to chain. Anchor braid is the silent anchor warp, no creaks or groans unlike 3 strand.

Dia.	Reel Length	White Part No.	Black Part No.
10mm	200m	6-00476-W	6-00476-BK
12mm	200m	6-00478-W	6-00478-BK
14mm	100m	6-00480-W	6-00480-BK
16mm	100m	6-00482-W	6-00482-BK
18mm	100m	6-00484-W	6-00484-BK
20mm	100m	6-00486-W	6-00486-BK

BLACK 3 STRAND MULTIFILAMENT POLYPROPYLENE

Dia.	Reel Length	Black Part No.
10mm	220m	6-00376-BK
12mm	220m	6-00378-BK
14mm	220m	6-00380-BK

NEW ENGLISH BRAIDS - ROPES & CORDS

ENGLISH BRAIDS performance ropes

WHIPPING TWINE (Waxed Polyester)

Whipping and serving are still the best way to secure the rope end. The high tenacity polyester twines are wax impregnated and available in two weights and a range of colours.

Type	Colour	Reel Length	Quantity	Part No.
Standard	White	50m	10	6-00508-W
Standard	Red	50m	10	6-00508-R
Standard	Blue	50m	10	6-00508-B
Standard	Black	50m	10	6-00508-BK
Standard	Navy	50m	10	6-00508-N
Standard	Yellow	50m	10	6-00508-Y
Standard	Mixed Colour	50m	10	6-00508-M
Heavy	White	25m	10	6-00510-W

3 STRAND POLYESTER STANDARD

This 3 strand rope is extremely strong & hardwearing, with reasonable shock absorbtion. Available in white or navy.

Dia.	Reel Length	White Part No.	Navy Part No.	Breaking Load
6mm	300m	6-00550-W	–	830kgs
8mm	300m	6-00552-W	6-00552-N	1700kgs
10mm	220m	6-00554-W	6-00554-N	2340kgs
12mm	165m	6-00556-W	6-00556-N	3310kgs
14mm	110m	6-00557-W	6-00557-N	4180kgs
16mm	110m	6-00558-W	6-00558-N	5635kgs
18mm	110m	6-00562-W	–	6950kgs
20mm	110m	6-00566-W	–	7500kgs

SHOCK CORD

Super stretch shock cords made with the finest natural rubber filament cores. Minimum 100% stretch for greater durability.

Dia.	Reel Length	White Part No.	Black Part No.
4mm	100m	6-00602-W	6-00602-BK
5mm	100m	6-00604-W	6-00604-BK
6mm	100m	6-00606-W	6-00606-BK
8mm	100m	6-00608-W	–

3 STRAND NYLON

A soft flexible rope. Very strong with good shock absorption properties, hardwearing and very easy to splice. Suitable for use as anchor or kedge warps.

Dia.	Reel Length	White Part No.	Black Part No.	Breaking Load
6mm	300m	6-00682-W	6-00682-BK	780kgs
8mm	300m	6-00684-W	6-00684-BK	1800kgs
10mm	220m	6-00686-W	6-00686-BK	2800kgs
12mm	165m	6-00688-W	6-00688-BK	3100kgs
14mm	110m	6-00690-W	6-00690-BK	4900kgs
16mm	110m	6-00692-W	6-00692-BK	6100kgs
18mm	110m	6-00694-W	–	7300kgs
20mm	110m	6-00696-W	–	8800kgs
24mm	110m	6-00698-W	–	12800kgs

3 STRAND POLYESTER STD BUFF

Good handling with a natural look for traditional boats. Reduced stretch for halyard performance

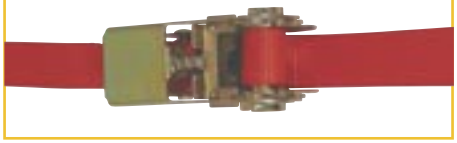
Dia.	Reel Length	White Part No.	Breaking Load
12mm	165m	6-00556-BF	2000kgs
14mm	110m	6-00557-BF	3000kgs
16mm	110m	6-00558-BF	3800kgs

3 STRAND BLUE POLYPROPYLENE MONOFILAMENT

Strong, floating, economical and hard wearing.

Dia.	Reel Length	Blue Part No.	Breaking Load
6mm	220m	6-00826-B	480kgs
8mm	220m	6-00828-B	960kgs
10mm	220m	6-00830-B	1430kgs
12mm	110m	6-00832-B	2030kgs
14mm	110m	6-00834-B	2790kgs

See next page for rope & cord accessories...

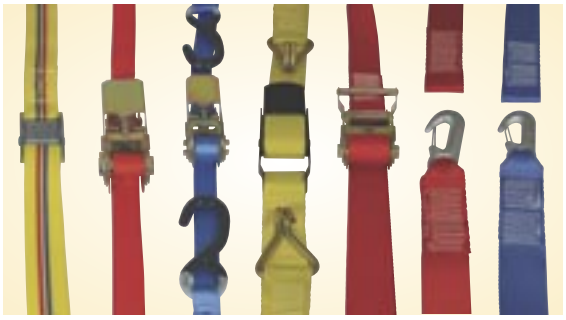


GENERAL BOAT EQUIPMENT

NEW

ENGLISH BRAIDS - ACCESSORIES

ENGLISH BRAIDS performance ropes



6-00931 6-00933 6-00935 6-00947 6-00951 6-00955 6-00957

WEBLASH LASHINGS

A range of webbing securing straps for surfboards, canoes and boats on roof racks and trailers. (Sold as each, colours may vary).

Description	Size	Part No.
Continuous Strap with Cam	5m x 25mm	6-00931
Continuous Strap with Rachet	5m x 25mm	6-00933
Rachet Strap with S Hooks	5m x 25mm	6-00935
Rachet Strap with Hooks	7m x 50mm	6-00947
Continuous Rachet Strap	7m x 50mm	6-00951
Winch Strap	6m x 50mm	6-00955
Winch Strap	8m x 50mm	6-00957

SELMA SPLICING FIDS

Set of 5 Selma Splicing Fids (Sizes 4, 5.5, 7.5, 10 & 13mm)
Part No. 6-00922

Single 20mm+ Selma Splicing Fid
Part No. 6-00924

PULPIT RAIL NETTING

Pulpit and pushpit rail netting. This traditional construction of net is laid up with a 50mm square knotted mesh giving a 750mm net width with meshes square.
The net is made from high tenacity polyester braided cord with knots tensioned and PU coated for superb stability and durability.

One meter off the reel gives approximately 760mm of net length with meshes square. In other words add 30% to the pulpit run length for the cutting length from the reel.

Reel Length: 100m Part No. 6-00995

POLYESTER WEBBING

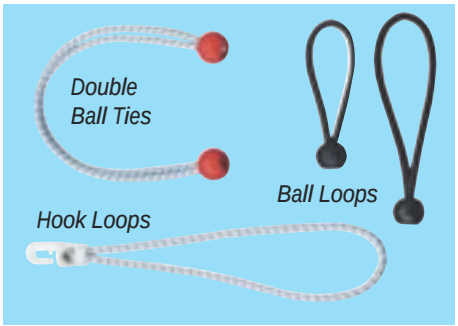
Very high abrasion resistance and strength ensures performance and reliability, for use as jackstay, toestraps or for securing buoyancy bags.

Description	Reel Length	Breaking Load	Part No.
Black 25mm	50m	1200kgs	6-00982-BK
Black Toestrap 50mm	50m	2000kgs	6-00987-BK

SHOCK CORD ASSEMBLIES (10 pack)

Shock Cord Loops with balls and double ball ties for sail tidying.

Description	Colour	Dia.	Length	Pack Qty	Part No.
Double Ball Ties	White	5mm	300mm	10	6-00650
Double Ball Ties	White	5mm	400mm	10	6-00651
Double Ball Ties	White	5mm	760mm	10	6-00652
Ball Loops	Black	5mm	100mm	10	6-00655
Ball Loops	Black	5mm	150mm	10	6-00656
Hook Loops	White	5mm	100mm	10	6-00658
Hook Loops	White	5mm	150mm	10	6-00659



TREM MARINE EQUIPMENT

NEW

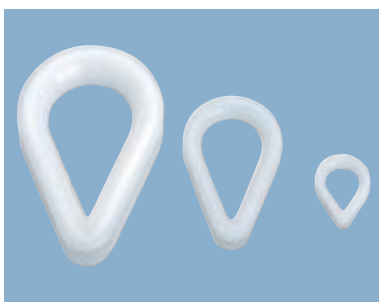
SHOCK CORD HOOKS

Knot fitting.
Pack Quantity 50.

Part No.	Colour	Dia.
6-21300	White	4mm
6-21301	White	6mm
6-21302	White	8mm
6-21303	Black	4mm
6-21304	Black	6mm
6-21305	Black	8mm

TREM®

WHITE NYLON THIMBLES



Part No.	Dia.	Pack Qty
6-21200	5mm	25
6-21201	6mm	25
6-21202	8mm	25
6-21203	10mm	25
6-21204	12mm	25
6-21205	14mm	25
6-21206	16mm	12
6-21207	19mm	12
6-21208	20mm	12
6-21209	24mm	12

GENERAL BOAT EQUIPMENT

NEW

WHITE TREM LOUNGE SEAT

Made in white marine grade imitation leather.
Dimensions (WxDxH): 46 x 38 x 67cm
Part No.: 6-20210

TREM ASSORTED WOODEN PLUGS

NEW

Manufactured in wood. Set of conical plugs with different diameters and lengths.

Part No.	Sizes	Pack Qty
6-21098	8-38mm Ø	10
6-21099	12-45mm Ø	2

TREM STOWAGE BAGS

Manufactured in plastified mesh cloth. To stow ropes in the cockpit.

NEW

Part No.	Description	Dimensions (HxWxD)
6-22830	Stowage Bag	35 x 25 x 15cm
6-22832	Stowage Bag	45 x 30 x 15cm
6-22834	Rail Mount Stowage Bag	25 x 35 x 12cm
6-22836	Bulkhead Stowage Bag	30 x 40 x 15cm

6-22830 & 6-22832

6-22834

6-22836

8-30710

8-30711

8-30714

8-30715

8-30720

TREM TRI COLOUR NAVIGATION LIGHT

Suitable for sailing boats.
With bulb. 10W, 12V.
Part No. 8-30720

NEW

TREM ALL ROUND NAVIGATION LIGHTS

Made of polycarbonate.
360°, 10W, 12V.

NEW

Part No.	Description	Mount
8-30710	All round white navigation light, black	c/w Pedestal
8-30711	All round white navigation light, black	Tube
8-30714	All round white navigation light, white	c/w Pedestal
8-30715	All round white navigation light, white	Tube

TRANSOME MOUNTING SHOE

For Outboard Bracket 6-20563 (Section 6 page 12). Suitable for fastening on the boat. It allows removal of the motor bracket when not in use.
Made in anodised aluminium.
Part No. 6-20564

NEW

KILLSWITCH LANYARD

With 7 Keys & Spiral string. Part No. 6-20399

NEW

For more TREM products see Section 6 of our catalogue.

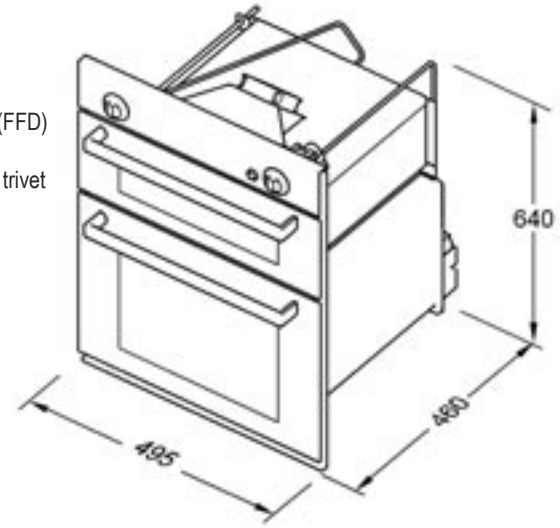
- Hatches
- Seats & Pedestals
- Safety Equipment
- Ladders & Boarding
- Electrical Products
- Navigation Lights
- Outboard Accessories
- General Chandlery

12V MIDI PRIMA MK4 OVEN & GRILL

SPINFLO by THETFORD

- Separate grill and oven
- 12V spark ignition
- Reliable, high quality product
- Easy to install
- Fitted with a Flame Failure Device (FFD)
- Accessories (included): oven shelf, multi-function pan with handle, pan trivet

Options:
- Spark ignition 12V DC
- Oven light
- Drop down or side opening oven door
- Metal and glass fascia



Part No:	6-01155
Model range:	SOP13000
External dimensions (HxWxD):	640 x 495 x 460mm
Build-in dimensions (HxWxD):	643 x 498 x 490mm
Total heat input (kW):	3.2
Grill burner (kW):	1.6
Oven burner (kW):	1.6
Oven capacity (L): (HxWxD):	37 270 x 380 x 362mm
Weight (kg)*1:	16.3
Fan cooling system *2:	12V DC
Gas shut off for grill door*3:	Yes

*1 Weight of standard unit. Weight depends on product specification
*2 This appliance needs a constant 12V supply to ensure the cooling system operates correctly
*3 If grill door is closed the gas supply shuts off automatically

For more cookers & hobs see Section 6 of our catalogue

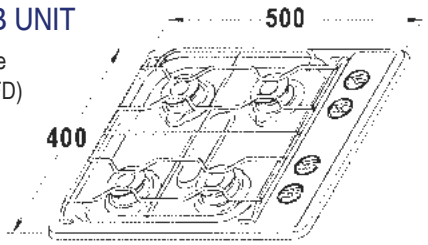
Suitable Spinflo hobs for use with the Midi Prima Mk 4

SERIES 8 HOB UNIT

- Fitted with a Flame Failure Device (FFD)
- Stainless Steel

Part No. 6-01021

NEW

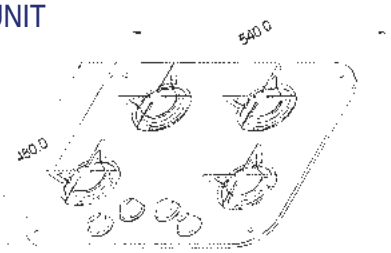


Technical Specifications	
(H x W x D):	500 x 400 x 88mm
Weight:	4.8kg
Operating Pressures:	Propane(G31) 37mbar Butane(G30) 28mbar
Total heat input 6kW:	1.5kw per burner

SERIES 9 HOB UNIT

- Colour: Grey & Black
- Fitted with a Flame Failure Device (FFD)
- 12V or 240V Ignition
- Black & Stainless Steel effect glass

Part No. 6-01045



Technical Specifications	
WxD:	540x480mm
Weight:	8.0kg
Operating Pressures:	Propane(G31) 37mbar Butane(G30) 28mbar
Total heat input 6kW:	1.5kw per burner

DELIVERY
Unable to send via carrier. Please contact your local Aquafax sales depot for delivery methods.

ENGINE ROOM

NEW

CAN-SB PLASTIC FUEL JERRY CANS

Part No.	Ltrs	H (mm)	W(mm)	L(mm)	Weight
2-20115	5	260	265	145	1.75kg
2-20116	10	375	265	145	2.5kg
2-20117	20	220	370	380	3.2kg

GLAND PACKING

Made from quality yarn lubricated & graphited prior to plaiting.
Suitable for stern glands , pumps etc.
Supplied as 8M length or if possible carded.

NEW

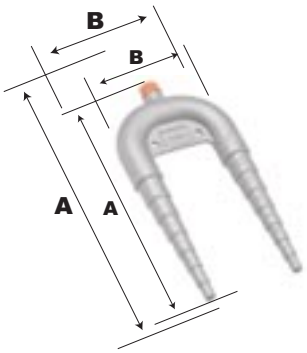
Section	8m Part No.	0.5m Cut Part No.	0.5m Carded Part No.
¼" (6.5mm)	2-03012	2-03012/1	2-03012P
5/16" (8mm)	2-03013	2-03013/1	2-03013P
⅜" (10mm)	2-03014	2-03014/1	2-03014P
½" (13mm)	2-03015	–	–
¾" (20mm)	2-03011	–	–

See Section 2 for more fuel tanks & accessories

ANTI-SYPHON LOCK WITH VALVE

Anti-syphon valve for liquid cooled engines to connect on the exhaust line.
Multiple hose size connections
Diameters: 13 to 38mm
Height (A): 158mm (6¼")
Width (B): 305mm (12")

Part No. 2-20295



PLUMBING -WATER FILTRATION

DOULTON WATER FILTER CARTRIDGES & HOUSING

The small and complex pore structure of Doulton® ceramics makes them an ideal filter medium for drinking water.

High Efficiency Filter: Capable of removing more than 99.99% of pathogenic bacteria, particles and disease causing cysts such as Cryptosporidium and Giardia.

Long Life/Value for Money: The outer shell of Doulton® ceramic drinking water filters may be cleaned to prolong the life of the product, meaning the filter can be re-used rather than replaced, giving a much longer life-span and saving you money.
On average, the filter candle will remain effective for at least 6 months (depending on usage) before it will need to be replaced.

Anti-Bacterial Action: Contains a proprietary system to inhibit microbiological growth, meaning that there is no need to sterilise the filter.

Retains Essential Minerals: Allows essential minerals to remain in the water which benefits your health.

No Power Required: Does not require electricity to function so cost-effective to run, not vulnerable to interruption of power supplies and can be used when no power available.

Part No.	Description
9-19989	Doulton HIP Water Filter c/w sterasyl 10" ceramic cartridge
9-19997	Inline Water Pre-filter housing c/w spun poly cartridge
9-19998	Doulton Sterasyl 10" ceramic filter cartridge

9-19989

NEW

9-19997

- Bottled water quality on tap on your boat
- No power required – low running costs
- Eco-friendly, reusable filter cartridges
- 175 years experience – a proven brand you can trust
- Long-life filters – great value for money
- Simple to install, use and maintain

9-19998

PLUMBING - TOILETS

THETFORD PORTA POTTI® 335, 365 & 465 TOILETS

Portable Marine Toilet designed to make dockside emptying a breeze. Sanitary, odourless and leakproof with a high-gloss finish making it easy to clean.

- Piston pump flushes fresh water to clean the bowl (335 & 365)
- Electric pump quickly and easily flushes fresh water to clean bowl (465)
- Removable seat and cover for easy cleaning
- Sealed valve keeps odour in holding tank
- Integrated pour-out spout
- Built-in deodorant storage (bottle included)
- Hold down kit secures toilet to deck
- Easy-to-read level indicator tells when it's time to empty

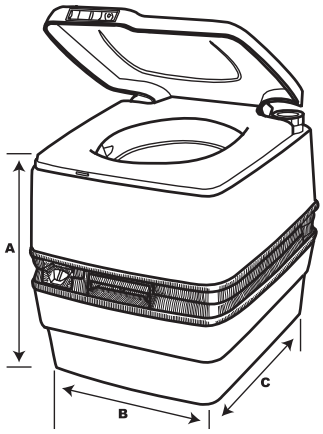
N-28512 N-28501 N-28502

THETFORD

Part No.	Model	Flush	Colour	Toilet Weight
N-28512	335	Manual	White	3.54kg
N-28500	365	Manual	Grey	4.21kg
N-28501	365	Manual	White	4.21kg
N-28502	465	Electric	White	4.68kg
N-28503	465	Electric	Granite	4.68kg

Dimensions:	335	365 & 465
A	305mm	414mm
B	343mm	379mm
C	381mm	419mm
Capacities:		
Fresh Water	10L	15L
Waste Tank	10L	21L

N-28608



PORTA POTTI PARTS

Part No.	Description
N-28600	Lipseal (335/345/365)
N-28601	Vent Seal (335/345/365)
N-28602	Vent Button (335/345/365)
N-28603	Water Cap (335/345/365)
N-28604	Holding Tank White (365)
N-28605	Holding Tank Grey (365)
N-28606	Dump Cap (335/345/365)
N-28607	Piston Pump Grey (345/365)
N-28608	Piston Pump White (345/365)
N-28612	465 Water Tank White
N-28613	465 Water Tank Granite
N-28614	465 Holding Tank White
N-28615	465 Holding Tank Granite

C402C & C403L CASSETTE® TOILET

These models have a fixed toilet bowl and can be installed using either left or right models. The waste holding tank has wheels and a retractable handle to allow ease of handling. In addition, the working mechanism in the waste holding tank is removable, making the inside of the tank easy to clean and maintain, while an advanced level indicator display shows the levels in the waste holding tank and/or flush-water tank.
C-402C models that have their own flush-water tank.
C-403L models that are connected to the boat's water tank.

- Optimal use of space & lightweight
- Level indicator: time to empty the waste holding tank
- Waste tank with wheels
- Removable mechanism
- Vent plunger for emptying without splashing
- High-quality plastic for a durable, user-friendly and maintenance-friendly toilet
- Automatic pressure release vent prevents build-up of gases in the waste holding tank
- In-built emptying spout: no fiddling about with loose parts
- Powerful flushing system

C402/403 PARTS

Part No.	Description
N-28631	C402 Pump
N-28632	C402/403 Holding Tank L/H Grey
N-28633	C402/403 Holding Tank R/H Grey

Part No.	Model	Flush	Installation	Net Weight
N-28506	C402C	Electric	Right Hand	8.1kg
N-28507	C402C	Electric	Left Hand	8.1kg
N-28508	C403L	Electric	Right Hand	9.1kg
N-28509	C403L	Electric	Left Hand	9.1kg

	Dimensions (mm):					Capacities	
Model	A	B	C	D	E	Fresh Water	Waste Tank
C402C	400	258	670	458	358	15	19.3L
C402L	400	258	670	458	358	–	19.3L

PLUMBING - TOILETS

THETFORD C200CS & C200CW CASSETTE® TOILETS (excluding door)

These models are equipped with a toilet bowl that can revolve 180° degrees on the toilet base. Downward pressure on the seat locks the toilet bowl into the desired position. They can be installed as freestanding units against any outer wall of the boat. Because you can revolve the toilet bowl before use, you experience optimal comfort without losing any space.
C-200CS: models that are connected to the boat's water tank.
C-200CW: models that have their own flush-water tank.

- Optimal use of space & lightweight
- Level indicator: time to empty the waste holding tank
- Removable mechanism
- Vent plunger for emptying without splashing
- High-quality plastic for a durable, user-friendly and maintenance-friendly toilet
- Automatic pressure release vent prevents build-up of gases in the waste holding tank
- In-built emptying spout: no fiddling about with loose parts
- Powerful flushing system

N-28634

N-28604

N-28605

Part No.	Model	Flush	Net Weight
N-28504	C200CS	Electric	7.2kg
N-28505	C200CW	Manual	7.6kg

C200 PARTS

Part No.	Description
N-28619	C200CS/CW Seat & Cover White
N-28620	C200CS Flush Switch
N-28621	C200CS/CW Holding Tank Grey
N-28622	C200CS/CW C400 Lipseal
N-28623	C200CS/CW Automatic Vent
N-28624	C200CS/CW Blade Opener
N-28625	C200CW Water Fill Door White
N-28626	C200CS/CW Measuring Cup
N-28634	C200 Fresh-up Kit NEW

	Dimensions (mm):						Capacities	
Model	A	B	C	D	E	F	Fresh Water	Waste Tank
C200CS	538	500	353	822	495	430	–	17L
C200CW	728	500	353	822*	495	430	7	17L

*Height of toilet seat open 327mm

Dimensions (h x w):
Overall: 385 x 335mm
Door Open: 330 x 280mm

Part No. N-28511

TOILET SERVICE DOOR 3

- Modern, streamlined appearance
- Watertight and UV resistant
- Double seal ensures optimum insulation
- Special secure push-button locks - they can't spring open unexpectedly or be forced open
- Easy self-installation, horizontally or vertically
- Easy step-by-step guide supplied with a template for creating the opening in the boat wall
- Suitable for walls between 23 & 39mm thick

C250-CS CASSETTE® TOILET

The latest member of the Cassette Toilet family is the C250CS. With its 180 degree revolving toilet bowl, the C250CS has several exciting, improved features and a contemporary design.

- Enhanced seating comfort: the toilet bowl width and depth have been adjusted to provide maximum comfort
- A waste-holding tank (17.5L) on wheels with a pull-out handle
- A user-friendly control panel

C250-CS CASSETTE® TOILET NOW WITH CERAMIC BOWL NEW

This version of the C250 Cassette Toilet has a beautiful glazed ceramic bowl. Both the inside and the outside of the toilet bowl are made completely from ceramic.
The C250 Ceramic Bowl is specially designed to provide a hygienic environment and to offer maximum user comfort, just like at home, whilst enjoying all the same features and benefits of the standard C250.

Waste holding tank

Part No.	Model	Flush	Net Weight
N-28510	C250-CS	Electric	7.8kg
N-28513	C250-CS Ceramic Bowl	Electric	17.1kg
N-28514	C250 Cassette Holding Tank	–	–

	Dimensions (mm):							Capacity of
Model	A	B	C	D	E	F	G	Waste Tank
C250-CS	747	514	417	847	462	424	93	17.5L

PLUMBING - TOILETS

THETFORD TOILET FLUIDS & ACCESSORIES

AQUA KEM BLUE TOILET FLUID

A powerful toilet fluid for daily use.
This popular toilet fluid has a lovely, fresh scent and lasts four to five days with average use.
Even if Aqua Kem Blue freezes, it will still be effective after it defrosts.

Bulk Pack: 6 x 2L bottles: Part No. N-28520
Single 2L bottle: Part No. N-28520/1

Bulk Pack: 12 x 1L bottles: Part No. N-28521
Single 1L bottle: Part No. N-28521/1

AQUA KEM GREEN TOILET FLUID

A toilet fluid with biological action for daily use. Aqua Kem Green biologically stimulates the breakdown of toilet waste in the waste-holding tank, acting for a maximum of three to four days with average use.
It remains fluid up to -20ºC and even if it does freeze, is still effective after defrosting.
This product is particularly suitable when emptying the waste-holding tank into septic tanks.

Bulk Pack: 6 x 1.5L bottles: Part No. N-28522
Single 1.5L bottle: Part No. N-28522/1

AQUA RINSE TOILET FLUID

A lavender scented toilet fluid for daily use. Aqua Rinse keeps the flush water fresh and ensures that your toilet flushes effectively.
After you use Aqua Rinse, it leaves a protective layer in the toilet bowl that prevents deposits forming.
Moreover, its lubricating action makes the blade of your waste-holding tank easier to open and close.

Bulk Pack: 6 x 1.5L bottles: Part No. N-28523
Single 1.5L bottle: Part No. N-28523/1

THETFORD AQUASOFT TOILET TISSUE 4 PACK

Thetford Toilet Paper is specially formulated for chemical toilets and is recommended for both portable and permanent sanitation systems.

- Extra soft in use, it dissolves rapidly and helps avoid clogging
- Supplied as an outer of 1 x 4 roll pack of 3 ply extra soft tissue
- 225 sheets per roll
- Ideal for camping, caravan & motorhome use

Bulk Pack: 12 x 4 pack: Part No. N-28525
Single 4 pack: Part No. N-28525/1

NEW

THETFORD SEAL LUBRICANT

A silicone seal lubricant 200ml CFC free spray bottle developed for lubricating caravan doors, cassette toilets parts, toilet seats, locks and hinges. Ideal as a awning rail lubricater.

Bulk Pack: 12 x 200ml bottles: Part No. N-28524

Single 200ml bottle: Part No. N-28524/1

NEW

ONECHEM TOILET FLUIDS

ONE-CHEM CASSETTE TOILET FLUID

- Has a clever measuring device, which means no more wasteful overdosing
- Is concentrated, giving up to 40 doses
- Works for both flush & waste tanks
- Is environmentally friendly, bio-degradable pH neutral and formaldehyde free
- Is safe, effective and smells great

Bulk Pack: 10 x 1L bottles: Part No. 5-40200
Single 1 litre bottle: Part No. 5-40200/1

NEW

ONE-CHEM HOLDING TANK FLUID

- Is specially designed for boats, barges, motorhomes, RV's and more marine vessels.
- It sanitises and deodorises your holding tank for up to two weeks
- Each 25ML dose treats up to 100 litres giving an amazing 20 services per bottle
- Has a built-in water softener, ideal for hard water areas
- Is environmentally friendly, bio-degradable pH neutral and formaldehyde free

Bulk Pack: 10 x 1L bottles: Part No. 5-40201
Single 1 litre bottle: Part No. 5-40201/1

NEW

For more Toilet Fluids see Section 5 or Narrowboat section.

DELIVERY
Unable to send via carrier. Contact your local Aquafax sales depot for alternative delivery methods.

Hep$_2$O Plumbing Fittings

HEP$_2$O PLUMBING FITTINGS

The new, technologically advanced next generation Hep$_2$O range is here.

Hep$_2$O

Packed with revolutionary unique new features, In4Sure™ joint recognition that actually tells you when inserted and the HepKey™ demounting system provides super-secure but fully demountable joints. Hep$_2$O is quicker, more reliable and easier to use than ever before.
And while the fittings are all totally new, it's still the same easy to work with pipe as before, the colour has just changed to white.

Hep$_2$O is manufactured and kitemarked to Class S of BS 7291

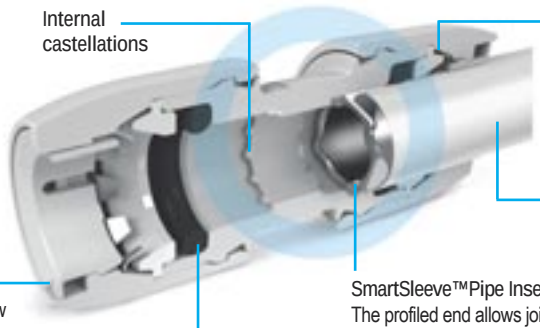
50 Year Guarantee against defects in materials or manufacturing of all Hep$_2$O pipe & fittings.

GUARANTEE 50 YEAR

In4Sure™- How it Works

The profiled end of the re-designed SmartSleeve™ pipe insert (P-51360) works with the internal castellations of the new Hep$_2$O fitting.
Just insert, push, twist and feel for the rumble to know the pipe is fully inserted, making a 100% secure connection.

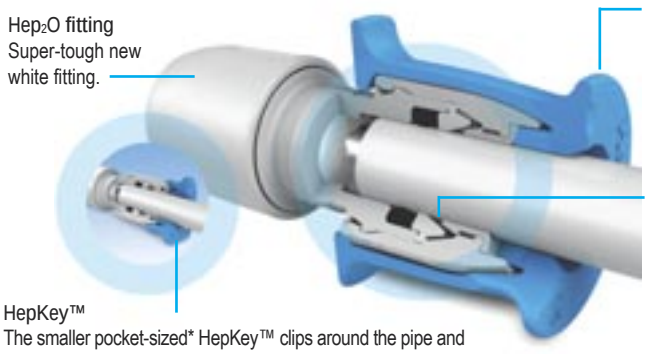
NEW


Internal castellations
Grab-ring
Strong, high quality 316 stainless steel re-engineered grab-ring. Able to grip plastic and copper pipe, the carefully angled teeth have been aligned for easy fitting and maximum grip.
Polybutylene Pipe
Cuts, bends and comes off the coil straight, in exactly the same way it always has.
Hep$_2$O fitting
Super-tough new white fitting.
SmartSleeve™Pipe Insert
The profiled end allows joint recognition, reduces the force required to make a secure connection, and stays in the pipe when demounted.
O-ring
Offers a reliable seal in both hot and cold water systems.

HepKey™- How it Works

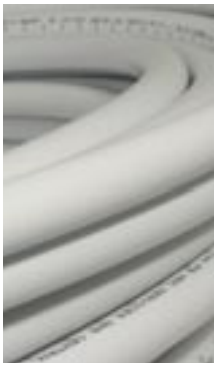
The innovative pipe release key that only demounts when you want it to.
Colour-coded to the pipe size, the HepKey™ triggers the grab-ring within the fitting to release the pipe. As the fitting is tamper-proof, the pipe will only release when you want it to. So it's fast, simple and eliminates the risk of accidental and potentially expensive demounting.

**Pocket-sized HepKey™ coming soon.*


Hep$_2$O fitting
Super-tough new white fitting.
HepKey Plus™
Available in each of the four fitting sizes, HepKey Plus™ simply clips onto the fitting, depresses the inner collar which releases the integral grab-ring and allows the pipe to be removed.
Grab-ring
Located behind the release sleeve, it is captive within the fitting so can't fall out and get lost. Manufactured from high quality 316 stainless steel that can be used repeatedly without any loss of strength so the fitting can be used and re-used.
HepKey™
The smaller pocket-sized* HepKey™ clips around the pipe and needs to be pushed against the fitting to release the pipe.
Quick and easy to use and it achieves demounting with the minimum of effort.

Hep$_2$O® POLYBUTYLENE PIPE *Same Great Pipe – Now in White.*

Not everything has changed. Hep$_2$O pipe remains the same, all except for the colour. It's still exceptionally flexible and still comes off the coil in straight useable lengths that can easily be cabled into position. The only thing that's changed is the colour. Now in white to match the new fittings, exposed areas of pipe work now look clean and more attractive.



Size	Length	Model	Type	Part No.
10mm	50m Coil	HXX50/10	Barrier	P-51001
15mm	25m Coil	HXP25/15	Standard	P-51002
15mm	3m Straight	HXP03/15	Standard	P-51003
15mm	6m Straight	HXX06/15	Barrier	P-51004
15mm	50m Coil	HXP50/15	Standard	P-51005
15mm	100m Coil	HXP100/15	Standard	P-51006
22mm	3m Straight	HXP03/22	Standard	P-51007
22mm	6m Straight	HXX06/22	Barrier	P-51008
22mm	25m Coil	HXP25/22	Standard	P-51010
22mm	50m Coil	HXP50/22	Standard	P-51009

NEW Colour Coded Product Packaging

To make buying, handling, storing and installing the Hep$_2$O system as simple as possible, a colour coding has been introduced.
Hep$_2$O fittings are now supplied in sealed polythene bags colour coded by size, which makes them easy to keep clean and easier to identify – you can see all the 15mm fittings at a glance – just look for the blue packs. Just to make life easier still, the same colour coded packaging has also been applied to Hep$_2$O pipe.

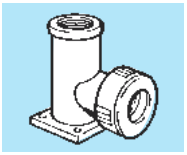
10mm fittings and pipe - green
15mm fittings and pipe - blue
22mm fittings and pipe - purple
28mm fittings and pipe - orange

All BiTite™ Hep$_2$O fittings are fully compatible with Hep$_2$O pipe & copper pipe.
SEE SECTION 1 FOR COPPER PIPE.

PLUMBING - FITTINGS

Hep2O The Professional Flexible Plumbing System for Hot & Cold Water & Central Heating

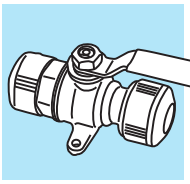
AUXILIARY BiTite™ FITTINGS



WALL PLATE ELBOW NEW

DZR Brass / new white plastic.

Size	Model	Part No.
½" BSPF x15mm	HX6/15	P-51206



BALL VALVES NEW

Chrome Nickel finish Brass ball valve, new white plastic.

Size	Model	Part No.
15mm (85x50x120mm)	HX22	P-51233
22mm (96x60x142mm)	HX22	P-51333

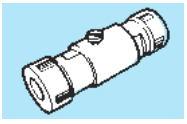
CYLINDER CONNECTOR

DZR Brass (cone ended socket adapter with nut)

Size	Model	Part No.
1" BSP x 22mm	HX34/22	P-51334

RADIATOR/LOCKSHIELD VALVE

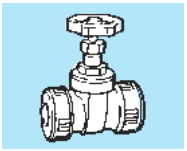
Size	Model	Part No.
10mm	HX73/10	P-41173



DOUBLE CHECK VALVE NEW

New white plastic.

Size	Model	Part No.
15 x 15mm	HX72/15	P-51272



GATE VALVE (HOT/COLD) NEW

Brass / new white plastic.

Size	Model	Part No.
15 x 15mm	HX35/15	P-51235
22 x 22mm	HX35/22	P-51335

STOP COCK (COLD WATER) NEW

New white plastic.

Size	Model	Part No.
15 x 15mm	HX36/15	P-51236
22 x 22mm	HX36/22	P-51336

ADAPTOR Brass reducing socket.

Size	Model	Part No.
½" BSPM x ⅜" BSPF	HX39/15	P-51239

FEMALE ADAPTOR NEW

DZR Brass / new white plastic socket.

Size	Model	Part No.
½" BSP x 15mm	HX28/15	P-51228
¾" BSP x 15mm	HX24/15	P-51228A
¾" BSP x 22mm	HX28/22	P-51328
1" BSP X 28mm	HX28/28	P-51428

MALE ADAPTOR NEW

DZR Brass / new white plastic socket.

Size	Model	Part No.
½" BSP x 15mm	HX29/15	P-51229
¾" BSP x 22mm	HX29/22	P-51329
1" BSP X 28mm	HX29/28	P-51429

FEMALE ADAPTOR

DZR Brass / Hep2O spigot

Size	Model	Part No.
½" BSP x 15mm	HX30/15	P-51230
¾" BSP x 22mm	HX30/22	P-51330

MALE ADAPTOR

DZR Brass / Hep2O spigot

Size	Model	Part No.
½" BSP x 15mm	HX31/15	P-51231
¾" BSP x 22mm	HX31/22	P-51331
1" BSP x 28mm	HX31/28	P-51431

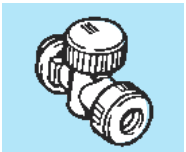
BRASS DRAIN COCK

Size	Model	Part No.
½" Hose x 15mm Spigot	HX32/15	P-51232

SHUT OFF VALVE (HOT/COLD)

All new white plastic with reversible top for either hot or cold. NEW

Size	Model	Part No.
15 x 15mm	HX37/15	P-51237



APPLIANCE VALVE (HOT/COLD)

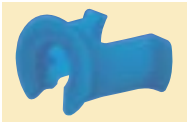
All new white plastic with reversible top for either hot or cold. NEW

Size	Model	Part No.
¾" BSP x 15mm	HX38/15	P-51238

REPLACEMENT FITTINGS & ACCESSORIES FOR BiTite™ Hep2O™ FITTINGS

COPPER PIPE CUT END PROTECTORS (Pack of 20)

Size	Model	Part No.
15mm	HX61/15	P-51276
22mm	HX61/22	P-51376



HEPKEY DEMOUNTING TOOL (Pack of 10) NEW

Size	Model	Part No.
15mm	HX79/15	P-51251
22mm	HX79/22	P-51351

BLANKING PEG (Pack of 10) NEW

Size	Model	Part No.
15mm	HX44/15	P-51252
22mm	HX44/22	P-51352

'O' RING (Pack of 20)

Size	Model	Part No.
10mm	HX51/10	P-51157
15mm	HX51/15	P-51257
22mm	HX51/22	P-51357

GRAB WEDGES (Pack of 20)

Size	Model	Part No.
10mm	HX46/10	P-51158
15mm	HX46/15	P-51258
22mm	HX46/22	P-51358

PLUMBING - FITTINGS

Hep$_2$O The Professional Flexible Plumbing System for Hot & Cold Water & Central Heating

PIPE FITTINGS AND ACCESSORIES

COLD FORMING BEND

Metal fixture with passivate finish

Size	Model	Part No.
15mm	HX75/15	P-51275
22mm	HX75/22	P-51375

PIPE CLIP

White plastic - Screw fixing (Bag of 50)

Size	Model	Part No.
15mm	HX85/15	P-51285
22mm	HX85/22	P-51385
28mm	HX85/28	P-51485

SMARTSLEEVE PIPE SUPPORT

S/S Sleeve. Always fit a support sleeve

Size	Model	Part No.	Pack Qty
15mm	HX60/15	P-51260	50
22mm	HX60/22	P-51360	50
28mm	HX60/28	P-51460	20

PIPE CLIP

Plastic - Nail fixing (Bag of 50)

Size	Model	Part No.
15mm	HX65/15	P-51265
22mm	HX65/22	P-51365

PIPE CUTTER

Up to 28mm Pipe.
Ratchet type HD78.
Part No. P-51053

PIPE CUTTER

Designed for DIY user.
Scissor type HD74.
Part No. P-51052

SILICONE LUBRICANT

125gm Tub S254
Part No. P-51051

DEMOUNTABLE BiTite™ FITTINGS

STRAIGHT CONNECTOR

Size	Model	Part No.
22 x 22mm	HD1/22	P-51301
28 x 28mm	HD1/28	P-51401

SOCKET REDUCER

Size	Model	Part No.
15 x 10mm	HD2/15	P-51202
22 x 15mm	HD2/22	P-51302
28 x 22mm	HD2/28	P-51402

EQUAL ELBOW

Size	Model	Part No.
15 x 15mm	HD5/15	P-51205
22 x 22mm	HD5/22	P-51305
28 x 28mm	HD5/28	P-51405

STRAIGHT TAP CONNECTOR

With brass nut and fibre washer

Size	Model	Part No.
½" x 15mm	HD25A/15	P-51225A
¾" x 15mm	HD25B/15	P-51225B
¾" x 22mm	HD25B/22	P-51325

BENT TAP CONNECTOR

Size	Model	Part No.
½" BSP x 15mm	HD27/15	P-51227

DEMOUNTABLE STOP END

New white plastic

Size	Model	Part No.
15mm	HD62/15	P-51207
22mm	HD62/22	P-51208

EQUAL TEE

Size	Model	Part No.
15 x 15 x 15mm	HD10/15	P-51210
22 x 22 x 22mm	HD10/22	P-51310
28 x 28 x 28mm	HD10/28	P-51410

END REDUCED TEE

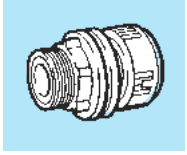
Size	Model	Part No.
22 x 15 x 22mm	HD12/22	P-51312
28 x 22 x 28mm	HD12/28	P-51412

BRANCH REDUCED TEE

Size	Model	Part No.
15 x 15 x 10mm	HD13/15	P-51213
22 x 22 x 15mm	HD13/22	P-51313

BRANCH & ONE END REDUCED TEE

Size	Model	Part No.
22 x 15 x 15mm	HD14/22	P-51314
28 x 22 x 22mm	HD14/28	P-51414



TANK CONNECTOR

With BSP tail and back nut (cold only)

Size	Model	Part No.
½" BSP x 15mm	HX20/15	P-51220
¾" BSP x 22mm	HX20/22	P-51320

See page 11 for Hep$_2$O Polybutylene Pipe. Same great pipe – now in white.

All BiTite™ Hep$_2$O fittings are fully compatible with Hep$_2$O pipe & copper pipe.
SEE SECTION 1 FOR COPPER PIPE.

PLUMBING - FITTINGS

SPEEDFIT PLUMBING FITTINGS - New push-fit plumbing fittings available from Aquafax NEW

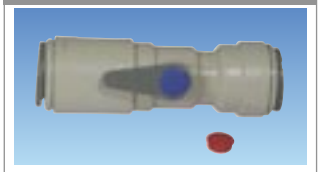
DZR Brass Female Coupler

- Manufactured in DZR Brass
- No scale build up and corrosion free
- BSI and WRAS approved

15mm x ½" BSP P/No. 9-84014
22mm x ¾" BSP P/No. 9-84015

JG Speedfit

Plastic Ball Valve

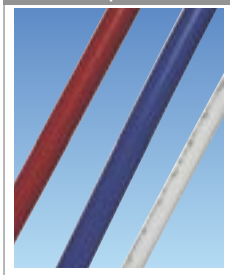


Not suitable for central heating systems

- Both red and blue indices supplied
- Lead free and non toxic
- BSI and WRAS approved

15mm x 15mm P/No. 9-84072
22mm x 22mm P/No. 9-84073

Barrier Pipe



- Suitable for central heating systems
- Pex material
- Manufactured and kitemarked to British Standard BS7291: Part 3: Class S
- Lightweight and flexible
- Lead free and non toxic

15mm x 6m	Red	P/No. 9-84412
15mm x 6m	Blue	P/No. 9-84413
15mm x 6m	White	P/No. 9-84414
22mm x 6m	Red	P/No. 9-84419
22mm x 6m	Blue	P/No. 9-84420

For more Speedfit Barrier Pipe see Section 9, page 13.

The items below are now available carded - see Section 9 pages 11 -13 for full ranges. NEW

Female Coupler Tap Connector

15mm x ⅜" BSP P/No. 9-84000P
15mm x ½" BSP P/No. 9-84001P

DZR Brass Male Coupler

15mm x ½" BSP P/No. 9-84011P

Equal Tee

15mm P/No. 9-84021P
22mm P/No. 9-84022P

Equal Elbow

15mm P/No. 9-84031P
22mm P/No. 9-84032P

Equal Straight Connector

15mm P/No. 9-84041P
22mm P/No. 9-84042P

End Stop

15mm P/No. 9-84061P

Chromed Brass Service Valve

15mm P/No. 9-84066P

Plastic Service Valve

15mm x 15mm P/No. 9-84071P
NOT suitable for central heating systems. Hot and cold water only 65ºC Maximum

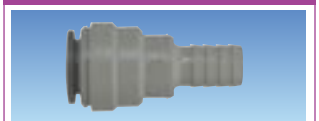
DZR Brass Drain Cock

15mm P/No. 9-84075P
Suitable for central heating systems. Cannot be used where collett covers are fitted. Can be used with a standard fitting fitted with a collet clip

White Collet Clip (Pack Qty)

15mm P/No. 9-84093P (10)
22mm P/No. 9-84094P (10)

Hose Connector



15mm x ½"ID P/No. 9-84101P
NOT suitable for central heating systems. Hot and cold water only 65ºC Maximum

Stem Reducer

22mm x 15mm P/No. 9-84121P

Inline Hot & Cold Tap

15mm P/No. 9-84130P
NOT suitable for central heating systems. Hot and cold water only 65ºC Maximum

Stem Elbow

15 x 15mm P/No. 9-84151P

Straight Tap Connector

15mm x ½" BSP P/No. 9-84161P

Bent Tap Connector

15mm x ½" BSP P/No. 9-84165P

DZR Brass Male Stem Adaptor

15mm x ½" BSP P/No. 9-84171P
22mm x ¾" BSP P/No. 9-84172P

DZR Brass Female Stem Adaptor

15mm x ½" BSP P/No. 9-84176P

Straight Coupling Reducer

15 x 12mm P/No. 9-84191P
22 x 15mm P/No. 9-84192P

Reducing Tee

15 x 15 x 22mm P/No. 9-84385P
22 x 15 x 15mm P/No. 9-84387P

PLUMBING - PUMPS

AQUA JET WPS 3.5 PUMP WITH BYPASS

WPS 3.5 fitted with a built-in pulsation dampening by-pass to control unwanted cycling and noise.

NEW

The five chamber Aqua Jet WPS Series provides a reliable heart for small boat and recreational vehicle water pressure system. It's lower initial price is naturally attractive, but equally important, its readily serviceable design assures low maintenance costs and years of faithful service.
It's recommended to install an accumulator tank.
Always use a PUMProtector inlet strainer before the pump intake.

JOHNSON PUMP

Also available:
Aquajet Pump Pressure Switch with Bypass (2.8b).
Part No. 09-47277

Model:	WPS 3.5
Length:	236.5mm
Width:	210mm
Height:	116mm
Weight:	2kg
Motor:	85W
Body:	PP/PPA
Valves:	EPDM
Diaphragm:	Santoprene
Connection:	⅜" BSP/hose ½", ½" BSP/hose ¾"

See our catalogue Section 10 for the full range or visit our website: www.aquafax.co.uk.

Model	Capacity	Cut-Off Pressure	12V Part No.	Fuse Size	24V Part No.	Fuse Size
WPS 3.5	13LPM (3.5GPM)	2.1bar/30psi	10-13395-07	10A	10-13395-08	5A

JOHNSON PUMP HEAVY DUTY RADIAL BLOWER

- Designed for engine compartment ventilation prior to start-up
- Motor rated for continuous operation and can be used as air intake or extraction to ventilate bilges, galleys, accommodation and other compartments
- Flange mount design
- Double ball bearing motor with corrosion resistant stainless steel shafts and screws

Specification:	
Capacity:	280m³/hr 163cfm
Voltage:	12V Amps: 3.9A 24V Amps: 2.5A
Dimensions:	H: 290 x W: 257 x L: 180mm
Port Connections:	Inlet: 75mm Outlet: 72mm

Description	Part No.
Air 3" 90° Bilge Blower 12V	10-47416-01
Air 3" 90° Bilge Blower 24V	10-47416-02

JOHNSON PUMP VIKING COMPACT MANUALLY OPERATED BILGE PUMP

The Viking Compact is a bulkhead fitting, manually operated, self-priming, diaphragm pump designed for bilge pump applications on boats.
Complies with ISO 15083 Small craft - bilge pumping systems. Can be used on boats of design categories A, B, C and D.

Specification:	
Plastic materials:	ABS, PA 66, PP
Elastomers:	Nitrile rubber
Shafts:	Stainless Steel
Connections:	25mm (1") or 38mm (1½") hose connections
Max. Liquid temp.:	+60°C (140°F)
Storage temp.:	-40°C to +60°C (-40°F to 140°F), without operation and in dry condition
Dimensions:	According to fig.1
Weight:	0.7kg (1.54lbs)

CAPACITY
Output capacity depends on installation conditions and pumping rate.
Performance given at back pressure (head) of 10kPa (1.45psi) rated for 45 strokes per minute: Dia. 38mm (1½") ports, 37.5 lit/min (9.91 USGPM) (594 USGPH).

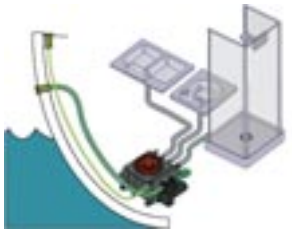
Maximum lift:	2.1m (7')
Maximum head:	1.2m (4')
Maximum combined lift and head:	3.3m (11')

Description	Part No.
Viking Compact w. dia 25mm (1") and dia. 38mm (1½") ports	10-24800-01

JOHNSON PUMP GREY WATER TANK

- Designed for use as a waste water collection tank from showers, sinks, dishwashing machines etc.
- Easy access cover for cleaning
- Available with Ultima Switch for automatic operation to any 12/24V pump rated up to 20A
- Tank is prepared for Viking Power 16 waste pumps 10-13350-03/04 (not included)
- Hose Connections:
  Inlet: 3 x 19mm, 3 x 25mm 3 x 38mm
  Outlet: 1 x 19mm, 1 x 25mm
- Dimensions: 185 x 280 x 340mm
- Capacity: 10L

10-1206



Shows tank with pump

Description	Part No.
Multiple Port Grey Water Tank c/w Ultima 12/24V Switch	10-1206
Multiple Port Grey Water Tank Only	10-1207

PLUMBING

MANUAL CHANGEOVER KIT WITH SAFETY REGULATOR

The new Propane Gold 776P Safety Plus, Single Stage Manual Changeover Regulator has enhanced safety regulation and safety features suitable for modern high capacity gas appliances.

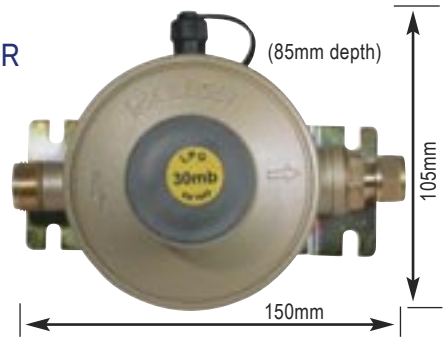
- Features safety relief valve protecting low pressure side of the gas system.
- 5kg/h (70kW) capacity at 37mbar and ½" BSPF low pressure outlet.
- Kit includes 2 x propane 20" flexible pigtails, regulator, manual changeover valve, bulkhead mounting bracket and a ½" BSP low pressure main gas isolation valve.

Part No. 1-59017

LPG TOURING REGULATOR

- Integrated test point
- Safety pressure relief system limiting over pressure on low pressure side of regulator
- Steel mounting bracket included
- Meets the requirement of EN 1949 and 128641D

Part No: 1-59083



Performance Information	
Connections:	Inlet: M20 x 1.5 (type G13 EN 12864) Outlet: 10mm compression (type H9 EN 12864)
Capacity:	1.5kg/h 20.6 kw/h (70,500 Btu/h)
LPG:	Propane, Butane or mixed LPG
Inlet Pressure:	Max: 16bar Min: 0.3bar
Operating Pressure:	30mbar
Safety relief valve:	60-150mbar
Operating temperature:	-20°C to 50°C

CLESSETITE LPG THREAD SEALANT

- Handy 50ml bottle with applicator
- Suitable for LPG Gas, natural gas and potable water
- Metal thread sealant for use with copper, steel, brass, bronze, aluminium & alloys
- Certified to EN751 part 1 and meets pressure requirements for part 2 (Class A & B)
- Individual or retail pack of 10 bottles available

Part No: 1-59071/1 Single bottle
Part No: 1-59071 Box of 10

BUTANE 20mm CLIP ON REGULATOR

Meets requirement of BS3016

Part No: 1-59087

Specifications	
Connections:	Inlet: 20mm Clip On
	Outlet: 8mm hose nozzle
	Capacity: 1.0Kg/h
LPG:	Butane
Operating pressure:	28mbar

BP/CALOR GAS BOTTLE SECURING KIT

Suitable for:
Calor bottles - 6kg & 13kg Propane or 7kg & 15kg Butane. BP Gaslight - 5 kg & 10kg bottles. Requirement of boat safety scheme for narrowboats.

Kit includes:
Plastic floor and bulkhead mount brackets and adjustable retention strap.

Part No. 1-59045P

JUBILEE S/S DOUBLE BOLT CLAMPS

For applications where higher pressures and great strength is required.
Material: 316 grade S/S Band Width: 25mm

Size (mm)	Part No.	Size (mm)	Part No.
190-205	1-89620	280-295	1-89629
200-215	1-89621	290-305	1-89630
210-225	1-89622	300-315	1-89631
220-235	1-89623	310-325	1-89632
230-245	1-89624	320-335	1-89633
240-255	1-89625	330-345	1-89634
250-265	1-89626	340-355	1-89635
260-275	1-89627	350-365	1-89636
270-285	1-89628	360-375	1-89637

ALSO AVAILABLE ZINC PLATED TO ORDER ONLY

AQUAFAX UNDERTAKES TO SUPPLY GAS APPLIANCES OR FITTINGS ON THE ASSUMPTION THAT THE INSTALLER IS QUALIFIED AND COMPETENT.

PLUMBING

CLEAR ARMORVIN HOSE

Clear Armorvin hose has an embedded steel wire reinforcement allowing it to be flexible and maintain a maximum bore when routed in a curve.

- Strong abrasion resistant with a smooth inside and outside wall
- Can be used for foodstuffs and drinking water
- Temperature Range: -5ºC to +65ºC
- Ideal for waterpump and watermaker installations

Hose Size ID	OD	Working Pressure Bar @ 20ºC	Bend Radius mm	Vacuum m.H_2O	30m Roll	60m Roll
12	18	7	25	8.5	1-90068C	-
16	22.4	6	35	8.5	1-90069C	-
20	26.8	5	50	8.5	1-90070C	1-90080C
25	33	5	60	8.5	1-90071C	1-90081C
32	40.4	4.5	75	8.5	1-90072C	1-90082C
38	47	4	90	8.5	1-90073C	-
45	55	3	110	8	1-90074C	-
50	60	3	125	8	1-90075C	-

Recommended use with Jubilee HD Superclamps. See page 21, Section 1.

CLAMP-AID™ HOSE CLIP END GUARDS

Suitable for marine, automotive, household and industrial use.

- Easily slide over sharp end of hose clamp band protecting you from cuts
- Protects other hoses and nearby objects from chafing & damage
- Adds a finished professional look
- Can be cut with scissors for shorter bands
- Can withstand temperatures of 266ºF (130ºC) - average marine and automotive engine compartments rarely exceed 190ºF (88ºC)
- Can stretch to accommodate larger hose clamps
- Made of flexible strong high tech plastic

Description	Part No.
1 pack of 20	1-87990

FLANGED PLUG

- Nickel plated brass flanged plug c/w O ring
- BSP Parallel Male Thread

BSP	Part No.
⅜"	1-74390
½"	1-74391
¾"	1-74392
1"	1-74393
1¼"	1-74394

BRONZE 45º MF ELBOW

BSP Male Taper thread
BSP Female Parallel thread

Size	Part No.
⅜" BSP	1-78140
½" BSP	1-78141
¾" BSP	1-78142
1" BSP	1-78143
1¼" BSP	1-78144
1½" BSP	1-78145

BRASS STEM NOZZLE

Hose	Part No:
5/16"	1-16281
⅜"	1-16282

BRASS PLUG COCK

Mounting	Part No:
¼" x ¼"	1-20032
5/16" x 5/16"	1-20033
⅜" x ⅜"	1-20034

BOAT SAFETY

FORESPAR TRU-PLUG

Soft Cone Shaped Emergency Plugs

A modern, adaptable solution to the hard wooden plug, the Tru-Plug soft cone shape can be compressed by hand or cut to fit most shapes of hull breaches, reducing or eliminating most incoming water flows.

Ideal as part of any boats safety equipment, the Tru-Plug can be used on an elongated tear caused by impact damage, or mechanical failure on a valve, thru hull fitting or hose.

Single Tru-Plug Bung Part No. 3-80296
12 Pack Tru-Plug Bung Part No. 3-80295

TREM ASSORTED WOODEN PLUGS

Manufactured in wood. Set of conical plugs with different diameters and lengths.

Part No.	Sizes	Pack Qty
6-21098	8-38mm Ø	10
6-21099	12-45mm Ø	2

For more TREM products see Section 6 of the Aquafax catalogue.

TREM®

STEERING & BOAT CONTROL

INSTATRIM TRIM TABS Boat attitude correction systems

In boating performance and fuel economy is key. Many factors can create unnecessary drag or listing attitude. You correct this with the simple touch of a switch: InstaTrim will deflect water downward to raise the stern and lower the bow. Automatically you are up & running and cruising at peak performance with dramatically increased visibility, speed & control.

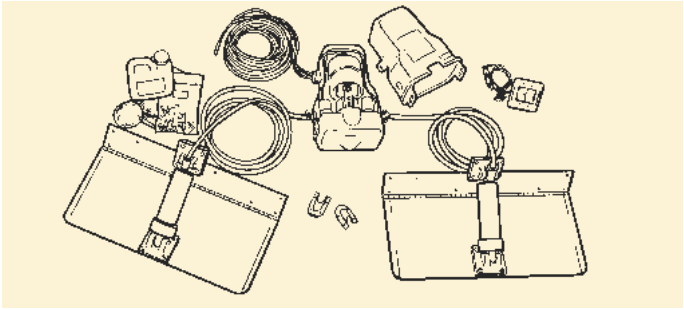
Superior quality trim tabs components: from high reliable motor and pump unit to water resistant controls, from integrated wiring to ultra durable hydraulic cylinders and after planes. InstaTrim means quality and reliability.

UNTRIMMED

TRIMMED

UNTRIMMED

TRIMMED



COMPLETE SET

Components:

- One Energy pack unit - 12V or 24V DC
- One Pair of stainless steel tabs
- 1 Litre of hydraulic oil
- One Water resistant rocker switch
- Hydraulic hose and harness
- One Funnel

Plus: One or two pairs of hydraulic cylinders complete with fittings.

GENERAL SIZING RECOMMENDATIONS

The general guidelines below make the selection easier, however final selection should be made with the assistance of a qualified installation mechanic. When given a choice of more than one tab size, the largest trim tabs possible for you boat are the most efficient.

INSTATRIM TABS ARE NOT INTENDED FOR BOATS EXCEEDING 60 MPH.

Boat Type	Boat Length	Tab Size (mm)	Tab Size (Inches)	Weight (kg)	12V P/No.	24V P/No.
Single outboard or inboard / outboard	-	254 x 205	10" X 8"	10.0	5-47600	5-47620
	-	300 x 205	12" x 8"	11.4	5-47601	5-47621
	-	460 x 205	18" x 8"	12.7	5-47603	5-47623
	-	355 x 280	14" x 11"	13.0	5-47611	5-47631
Twin engine outboard or inboard / outboard	-	300 x 280	12" x 11"	12.7	5-47610	5-47630
	-	460 x 280	18" x 11"	15.5	5-47612	5-47632
	-	610 x 280	24" x 11"	16.8	5-47613	5-47633
Inboards	22' - 25'	610 x 205	24" x 8"	14.5	5-47604	5-47624
	22' - 25'	760 x 205	30" x 8"	16.3	5-47605	5-47625
	26' - 29'	920 x 205	36" x 8"	18.2	5-47606*	5-47636*
	30' - 36'	1020 x 205	40" x 8"	19.8	5-47607*	5-47637*

* Two hydraulic cylinders per tab

PART NO.S IN RED TO ORDER ONLY

ACCESSORIES

		Part No.
Single Station Tab Indicator	Black	5-47640
Single Station Tab Indicator	White	5-47641
Flybridge Tab Indicator	Black	5-47642
Flybridge Tab Indicator	White	5-47643
Rocker Switch with water resistant cover		5-47645

NOTE: DO NOT SIMULTANEOUSLY ACTIVATE ONE TAB UP AND THE OTHER TAB DOWN

STEERING

ULTRAFLEX OUTBOARD HOSE KITS

- Kit consists of a pair of high strength flexible hoses fitted with swivel nut fittings at one end and two connectors and sleeves supplied loose
- Can be cut to the desired length to suit a wide range of installations
- Available in 6 metre and 9 metre kits
- Ideal for use with Ultraflex Hydraulic Outboard Steering Systems

Description	Part No.
Outboard 2 hose kit 6m c/w hose ends	4-47048
Outboard 2 hose kit 9m c/w hose ends	4-47049

ULTRAFLEX SILVERSTEER™ HIGH PERFORMANCE OUTBOARD STEERING SYSTEM

The Silversteer hydraulic steering system is designed for use on high performance boats such as sports ribs.

The helm pump operates at a higher pressure than the standard helms. (Relief valve setting at 105 bar (1500psi) instead of 70 bar (1000psi) on the standard helms).

Adjustable 45° stainless steel helm pump fittings and Kevlar stranded high pressure hoses can be supplied in a range of lengths to make the connections between the helm and cylinder.

The combination of the higher pressure helm pump and technical features on the UC128-SVS cylinder make the system particularly fast and stress resistant.

AVAILABLE TO ORDER - Contact our sales office for further details.

UC128-SVS CYLINDER POWER GUIDE

System	Application
Single Engine Single Cylinder	Up to 350hp max

Second station option available

System	Application
Dual Engine Single Cylinder	Up to 350hp max (non-counter rotating engine) Up to 600hp max (counter rotating engine)

Second station option available

System	Application
Dual Engine Dual Cylinder	Up to 600hp max (non-counter rotating engine) Up to 700hp max (counter rotating engine)

Second station option available

WARNING

The UC128-SVS front mount cylinder is not recommended for use in installations where the boat speed exceeds 50mph (50 knots), (60mph (60knots) in dual engine, dual cylinder and counter rotating engines application.) Not intended for use in racing applications.

ATTENTION

The Silversteer™ helm pumps are always to be installed in conjunction with UC128-SVS cylinder and the Kevlar reinforced hose KIT OB-SVS.

For our full range of Ultraflex products see Section 4 of the Aquafax catalogue or visit our website: www.aquafax.co.uk

STEERING

ULTRAFLEX HELM PUMP FEATURES

- Available in three different displacement sizes
- Compact design
- Ball bearing piston race
- Built-in lock valve for positive rudder lock
- Integral relief valve for over-pressure protection
- Easily accessible lock valve and shaft seal for replacement
- Cast iron cylinder block for greater durability and longer life
- ¼" NPT fitting for ⅜" tube
- Complete with elbow fittings

See Section 4 four full range of Ultraflex helm pumps

ULTRAFLEX TILT MOUNT HELM PUMP

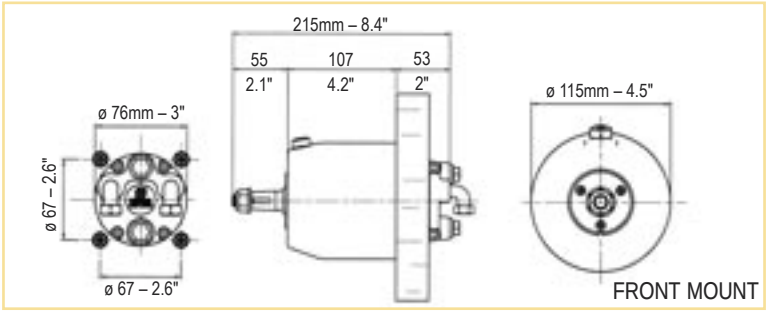
Additional Features:

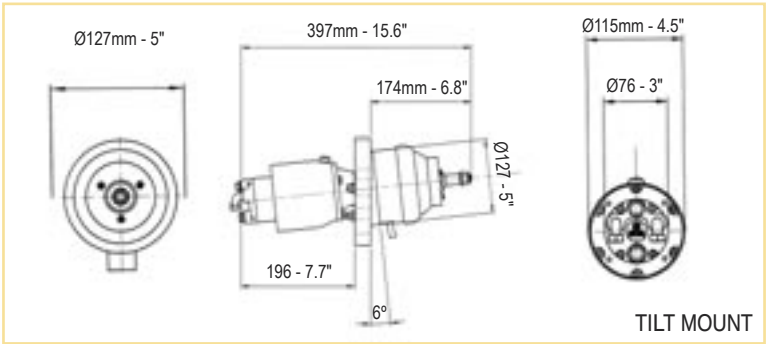
- Stainless steel shaft
- Tilt mechanism 4-X52 (to be ordered separately - not supplied with helm)
- 24° tilt from centre
- 4-47065 Remote Fill Adaptor (optional extra)

ULTRAFLEX FRONT MOUNT HELM PUMP

Additional Features:

- ¾" tapered stainless steel shaft
- Convenient front of dash fill
- To install the pumps in an intermediate dashboard position:
  4-X64 square flange 4-X57 round flange





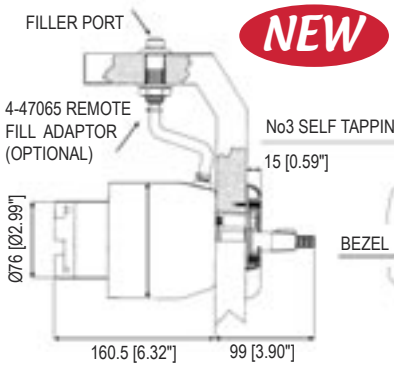
Part No.	Mounting	Model	Displacement	No. of pistons	Relief valve setting	Max Wheel dia.	Weight kg - lbs
4-48000	Front Mount	UP25F	25 cc - 1.5 cu. in.	5	70 Bar - 1000 PSI	710mm - 28"	5kg - 11lbs
4-48001	Requires X52 Tilt	UP25T	25 cc - 1.5 cu. in.	5	70 Bar - 1000 PSI	406mm - 16"	5kg - 11lbs

System Description	Wheel Turns	Application Max HP	Helm	Cylinder Part No.	Hydraulic Oil	Tie Bar
Front Mount Single Engine UC1200BF Single Cylinder	4.8	300hp	4-48000	4-48066/7/8	2 x 4-47067	N/A
Front Mount Dual Engine Single Cylinder	4.8	300hp non counter rotate	4-48000	4-48066/7/8	2 x 4-47067	A89
Side Mount Single Engine UC132OBS Single Cylinder	5.3/6.5	300hp	4-48000	4-47009	2 x 4-47067	N/A
Side Mount Single Engine UC132OBS Single Cylinder	5.3/6.5	300hp non counter rotating 450hp counter rotating	4-48000	4-47009	2 x 4-47067	A88 or A92

WARNING: THESE CYLINDERS ARE NOT RECOMMENDED FOR USE IN INSTALLATIONS WHERE THE BOAT EXCEEDS 60KNOTS AND THE POWER EXCEEDS MAXIMUM COAST GUARD OR MOT RECOMMENDATIONS OF THE BOAT.

FOR FULL RANGE OF ULTRAFLEX PUMPS, TIE BARS & ACCESSORIES SEE SECTION 4

STEERING



Optional Extras:
- 4-47065 Remote Fill Adaptor
- 4-X68 Chrome Bezel

4-X68

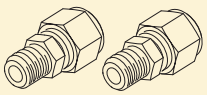
ULTRAFLEX REAR MOUNT HELM PUMP

UP45 R pumps are ideal for double cylinder applications.

- Available in four different displacement sizes
- Compact design
- Ball bearing piston race
- Built-in lock valve for positive rudder lock
- Integral relief valve for over-pressure protection
- ¾" tapered stainless steel shaft
- Easily accessible lock valve and shaft seal for replacement
- Cast iron cylinder rotor for greater durability and longer life
- ¼" NPT fitting for ⅜" tube
- Complete with elbow fittings and white bezel

Note: It is possible to convert the UP45 R pump from ⅜" to 12mm tube by ordering KIT SF12 that includes 2 straight fittings for 12 mm tube

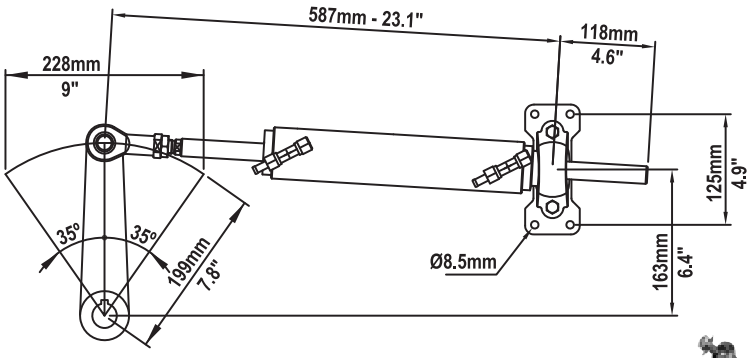
Part No. 14-48020-1



Part No.	Mounting	Model	Displacement	No. of pistons	Relief Valve Setting	Max Wheel dia.	Weight kg (lbs)
4-48020	Rear Mount	UP45R	45 cc - 2.7 cu. in.	7	70 Bar - 1000 PSI	710mm - 28"	5kg (11lbs)

ULTRAFLEX INBOARD HYDRAULIC STEERING CYLINDER (UC378-I)

UC378-I Balanced: the number of turns lock to lock is equal port to starboard or vice-versa



Part No.	Cylinder	Max Boat Length	Hull Type	No. of Engines	Max Torque
4-47055	UC378-I	62ft - 18.90M	Planing	1	Up to 187.6kgm
4-47055	UC378-I	65ft - 19.80M		2	16347 lbs. in.
4-47055	UC378-I	62ft - 18.90M	Displacement	1	Up to 187.6kgm
4-47055	UC378-I	65ft - 19.80M		2	16347 lbs. in.

These recommendations should be used as a general guide. Final selection should be made with the assistance of a qualified installation technician.

ORDER GUIDE

Turns Lock to lock 6.7 Max rudder torque 187kgm (16347lbs).
1 x UP56R Helm Pump 4-48023
1 x UC378-I Hydraulic Cylinder 4-47055
3 x Hydraulic Oil 4-47067
1 x 12mm Copper Tubing
1 x Pair Hydraulic Flexible Hoses (12mm x 0.5m) 14-47094-2
2 x Straight Coupling 12 x 12mm 1-21660
1 x Pack Brass Compression Rings 1-26039

Optional:
1 x HD Hydraulic Bypass Kit for 12mm Tube 4-47098

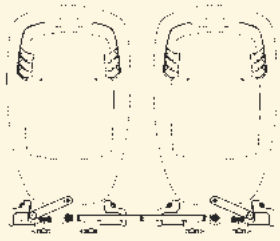
Specification:	4-47055
Model:	UC378-I
Material:	Brass
Volume:	377.2cc - 23.02cu. in
Torque:	187.6kgm - 16347lbs. in.
Output Force:	1153kg - 2545.2lbs. in.
Inside Diameter:	50mm - 1.9"
Stroke:	228mm - 9"
Fittings:	For (12mm) copper tube

See Section 1 for Copper Tube Fittings & P-Clips

ULTRAFLEX A92 TIE BARS FOR TWIN OUTBOARD ENGINES

- Easily adjustable before or after installation
- All stainless steel components
- Applicable to twin outboard engines using mechanical steering

Part No.	Description
4-48192-2	Adjustable from 550mm (21.6") to 700mm (27.5") engine centres
4-48192-4	Adjustable from 700mm (27.5") to 950mm (37.4") engine centres



A92 application example

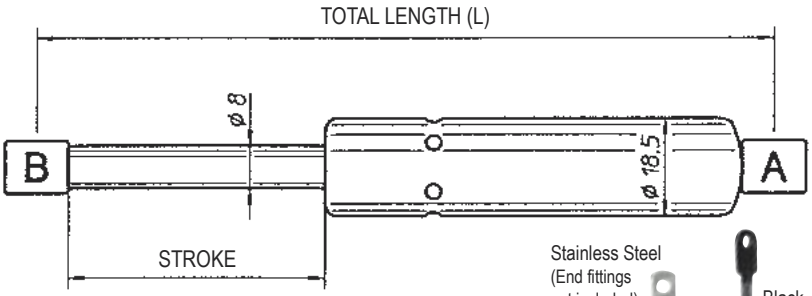
FOR FULL RANGE OF ULTRAFLEX PUMPS, TIE BARS & ACCESSORIES SEE SECTION 4

GAS SPRINGS

Gas springs are pneumatic force accumulators mainly used to lift, hold open and smoothly lower hatches, cover lids and doors.

- Working temperature: -30C to +80C
- Supplied in aftermarket packaging
- Further lengths, strokes & output forces available to special order only

Lateral loads & tensile forces exceeding the output force as indicated for each single spring should be avoided.

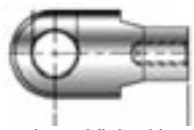


Stainless Steel (End fittings not included)

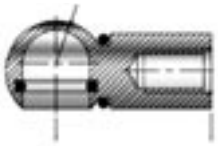
Black

STAINLESS STEEL GAS SPRINGS

AISI 316 stainless steel rod, cylinder and threaded ends. End fittings to be ordered separately. See part numbers 4-47856 and 4-47858.



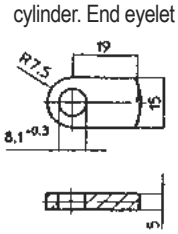
Eyelet end fitting kit
Part No. 4-47856



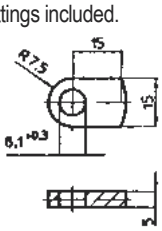
Ball joint end fitting kit
Part No. 4-47858

BLACK PAINTED GAS SPRINGS

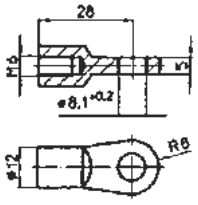
Nitro-protected steel rod and marine corrosion resistant black painted cylinder. End eyelet fittings included.



TYPE 1 Welded Eyelet



TYPE 2 Welded Eyelet



TYPE 3 Threaded Eyelet

Output Force	Rod Dia.	Stroke	Total Length	Part No.
5kg	6mm	100mm	275mm	4-47900
10kg	6mm	100mm	275mm	4-47901
20kg	6mm	100mm	275mm	4-47902
10kg	6mm	150mm	375mm	4-47908
20kg	6mm	150mm	375mm	4-47909
30kg	6mm	150mm	375mm	4-47910
10kg	8mm	220mm	525mm	4-47916
20kg	8mm	220mm	525mm	4-47917
30kg	8mm	220mm	525mm	4-47918
40kg	8mm	220mm	525mm	4-47919
20kg	8mm	250mm	585mm	4-47921
30kg	8mm	250mm	585mm	4-47922
40kg	8mm	250mm	585mm	4-47923

Output Force	Rod Dia.	End Fitting		Stroke	Total Length	Part No.
		Side A Type	Side B Type			
5kg	8mm	1	2	95mm	257mm	4-47800
10kg	8mm	1	2	95mm	257mm	4-47801
20kg	8mm	1	2	95mm	257mm	4-47802
10kg	8mm	1	1	142mm	365mm	4-47804
20kg	8mm	1	1	142mm	365mm	4-47805
30kg	8mm	1	1	142mm	365mm	4-47806
10kg	8mm	1	1	234mm	550mm	4-47808
20kg	8mm	1	1	234mm	550mm	4-47809
30kg	8mm	1	1	234mm	550mm	4-47810
40kg	8mm	1	1	234mm	550mm	4-47811
20kg	8mm	2	3	262mm	600mm	4-47813
30kg	8mm	2	3	262mm	600mm	4-47814
40kg	8mm	2	3	262mm	600mm	4-47815

POLISHED STAINLESS STEEL STUDS AND BALL JOINT BRACKETS

FLAT BRACKET

Part No. 4-47850

Part No. 4-47860*

SQUARE BENT BRACKET - FORWARD ATTACHMENT POINT

Part No. 4-47851

Part No. 4-47861*

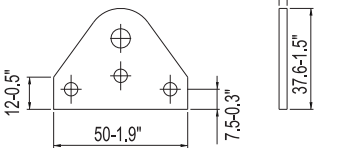
SQUARE BENT BRACKET - REVERSE ATTACHMENT POINT

Part No. 4-47852

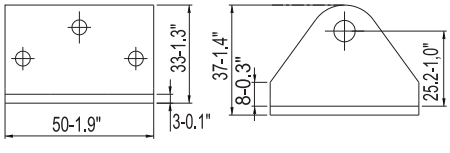
Part No. 4-47862*

**For use with stainless steel gas struts fitted with 4-47858 ball joint kit*

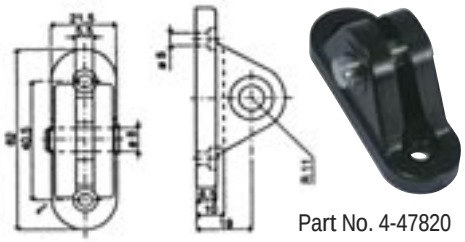
Dimensions for 4-47850 & 4-47860



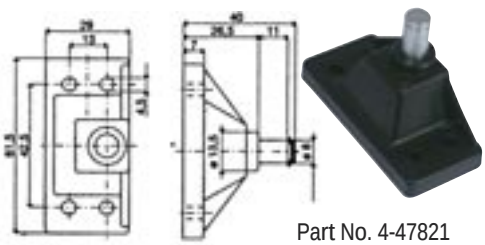
Dimensions for 4-47851, 4-47861, 4-47852, 4-47862



BLACK THERMOPLASTIC WITH ZINC PLATED STUDS



Part No. 4-47820



Part No. 4-47821

ELECTRICS

BLUE SEA BELOW DECK CIRCUIT BREAKER PANELS

Durable: Moulded panel frame will stand up to UV and salt air

Easy: Low profile makes it easy to install in tight spaces

Simple: Fast-on circuit breaker connectors make it quick to wire

Convenient: Red "ON" indicating LEDs for safe operation in low light conditions

BLUE SEA SYSTEMS NEW

8-24350

8-24351

8-24352

- 4 Carling Technologies™ 15A circuit breakers
- Illuminated ON indication
- 2 x 12V Sockets (8-24351 only)
- Polycarbonate/ABS panel surface is UV-stabilized, flame retardant, and will not corrode
- Quick connect BUS eliminates wire harness and clutter contributing to a low profile panel
- Two-wire connection for powering all panels is simple and requires #10 ring terminals. Terminals screw to bus bars for secure connections
- Set of 15 square format circuit labels are included, and are easy to replace. Additional standard or custom labels are available through Blue Sea Systems
- Stainless steel #6 x 5/8" mounting screws included

Technical Specifications:	
Operating Voltage:	12 Volts DC Nominal
Maximum Amperage:	45A
Circuit Breaker Rating:	15A
Ring Terminal Size:	M5 (#10)
Terminal Type:	1/4" Male quick connect
Maximum Torque:	Terminal studs: 2.25 N-m (20 in-lb) Mounting screws: 1.13 N-m (10 in-lb)
Hardware:	Stainless Steel #6 x 5/8" mounting screws

Part No.	No. of Positions	Dimensions (W x H x D)
8-24350	4	108mm (4.25") x 145mm (5.7") x 44mm (1.75")
8-24351	4 + 2 x 12V Sockets	114mm (4.5") x 165mm (6.5") x 44mm (1.75")
8-24352	6	114mm (4.5") x 165mm (6.5") x 44mm (1.75")

SHIELD MARINE SEALED DUAL PURPOSE BATTERY NEW

The Shield leisure range is designed to supply a much lower current over a longer period of time to enable lighting, water pumps and even televisions to operate.

The battery has the ability to constantly discharge and recharge to a greater degree, compared to the starter battery during its normal life. This is known as deep cycling.

- Advanced semi-traction technology
- Convenient carrying handles
- Featuring a magic eye, enabling easy battery condition check
- Manufactured with robust polypropylene case
- Standard post & threaded stud terminals
- MF Marine - sealed & maintenance free
- Vibration resistant
- 3 Year limited warranty

8-60032

Magic Eye enables easy battery condition check

PowerStation MF Marine Sealed Maintenance free - Dual Purpose

With both threaded & standard terminals, this fully sealed battery is ideal for a multitude of marine applications.

Part No	AH@20 hr rate	Cold Start (amps) SAE	Cold Start (amps) EN	Length (mm)	Width (mm)	Total Height (mm)	Layout	Terminal Type
8-60030	85	570	N/A	260	169	225	1	T1
8-60031	95	620	N/A	302	172	220	1	T1
8-60032	110	680	N/A	328	172	240	1	T1

NARROWBOATS - STOVES

MORSØ 1410 MULTI-FUEL / WOOD-BURNING STOVE

A classic radiant stove that will quickly and efficiently heat small rooms and Narrowboats. It is a traditional wood-burning stove decorated with Morsø's classic squirrel relief on both sides. Burns wood, briquettes, and smokeless fuel.

NEW

- Cast iron construction
- Radiant heat
- Primary and secondary air supply
- Soot-free glass door
- Riddling grate system
- Optional 8000 BTU stainless steel boiler available
- Air wash system
- Top or rear flue outlet
- Ash pan

Approvals: EN 13240

Part No. N-90020

Technical Specification:	
Rated output:	4.5kW
Log length:	28cm
Flue outlet, internal Ø:	125mm
Weight:	70kg
Efficiency Net / Gross:	76/69%
Standard Leg Length:	100mm
Leg Options:	150/250mm
Height:	546mm
Width:	388mm
Depth:	438mm

MORSØ 1430 MULTI-FUEL / WOOD-BURNING STOVE

Ideal for small rooms and in Narrowboat installations. It comes with a large stay-clean glass panel, convenient ashpan and low smoke emissions and is also fitted with bottom and rear heat shield. Burns wood, briquettes, and smokeless fuel.

NEW

- Cast iron construction
- Radiant heat
- Primary and secondary air supply
- Soot-free glass door
- Larger glass area
- Riddling grate system
- Optional 8000 BTU stainless steel boiler available
- Air wash system
- Pre-heated air wash system for use with wood
- Top or rear flue outlet
- Ash pan

Approvals: EN 13240

Part No. N-90021

Technical Specification:	
Rated output:	4.6kW
Log length:	28cm
Flue outlet, internal Ø:	125mm
Weight:	75kg
Efficiency Net / Gross:	71/64.6%
Standard Leg Length:	100mm
Leg Options:	150/250mm
Height:	546mm
Width:	388mm
Depth:	438mm

By appointment to The Royal Danish Court

morsø

Additional Items

Description	Part No.
S/S Boiler for Morsø stoves - 8,000 BTU	N-90022
Thin Wall Flue Kit for Morsø - Straight	N-90023
Thin Wall Flue Kit for Morsø - 12" Offset	N-90024

INSTALLATION AND COMMISSIONING OF THE STOVE MUST BE CARRIED OUT BY A COMPETENT PERSON. THE INSTALLER MUST CONSIDER ALL ASPECTS OF SAFETY WHEN FITTING THE STOVE AND FLUE PIPE SYSTEM AND INSTRUCT USERS HOW TO OPERATE THE STOVE SAFELY AFTER COMMISSIONING THE STOVE.

N-90024

SPARES

Part No.	Description
UN-90020-1	Squirrel 1410 Glass Kit c/w clips, screws & gasket
UN-90020-10	Squirrel 1410/1430 threaded lug for flue collar each
UN-90020-11	Squirrel 1410/1430 screw for flue collar each
UN-90020-12	Squirrel 1410/1430 baffle/throat plate
UN-90020-13	Squirrel 1410/1430 front log retainer each
UN-90020-14	Squirrel 1410/1430 centre shaker grate
UN-90020-2	Squirrel 1410/1430 Ash pan
UN-90020-3	Squirrel 1410/1430 Operating Tool
UN-90020-4	Squirrel 1410/1430 Side Firebrick
UN-90020-5	Squirrel 1410/1430 Back Firebrick
UN-90020-6	Squirrel 1410/1430 Blanking Plate
UN-90020-7	Squirrel 1410/1430 Plain Lug for blanking plate
UN-90020-8	Squirrel 1410/1430 Screw for blanking plate
UN-90020-9	Squirrel 1410/1430 Flue collar only
UN-90021-1	Squirrel 1430 Cleanheat glass kit c/w clips screws & gasket

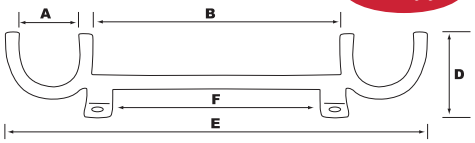
For more multifuel stoves see pages 38-41 of our Narrowboat Section.

DELIVERY
Unable to send via carrier. Contact your local Aquafax sales depot for alternative delivery methods.

NARROWBOATS

HEAVYWEIGHT PLANK & POLE RACKS

NEW



Type	Section	A	B	C (Base x2)	D	E	F
Heavyweight	17 Ø	53	274	40 x 65	77	423	228

All measurements in mm

Type	Brass	Chrome
Double (pair)	N-70022	N-70023

NEW

3 BLADE EQUIPOISE PROPELLOR

- Manufactured to ISO Class II
- Built in Bronze
- DAR = 52%.
- Typical vessel speeds 6 - 14 knots

3 Blade 1½" Dia. RH

Size	Part No.
14" x 9"	N-351409M
16" x 10"	N-351610M
16" x 12"	N-351612M
17" x 10"	N-351710M
17" x 11"	N-351711M
17" x 12"	N-351712M
17" x 13"	N-351713M
18" x 12"	N-351812M
19" x 13"	N-351913M
19" x 14"	N-351914M
19" x 15"	N-351915M
20" x 15"	N-352015M

Now Carded

INTERNAL GRILL

Anodised aluminium.

OD: 135mm Grill dia.: 106mm

Colour	Carded P/No.	P/No.
Gold	N-73010P	N-73010
Silver	N-73011P	N-73011

NEW

CAST BRASS GRILL

Cast brass cover

OD: 150mm Grill dia.: 118mm

Part No. N-73020R Brass
Part No. N-73021R Chrome

NEW

COAT/CHIMNEY HOOK

Dimensions (LxW): 45 x 32mm

Part No. N-76304R Brass
Part No. N-76305R Chrome

STRAIGHT FAIRLEAD WITH LIP

NEW

180mm long x 30mm wide

Material	Part No.
Brass	N-70070R
Chrome	N-70071R

NEW

LACING HOOK

Brass	Chrome	Length
N-71200R	N-71201R	42mm

HANDLE RIGID PULL

100mm Brass
Part No. N-75858

NEW

DOUBLE TAIL HINGE

95 x 55mm

Material	Part No.
Brass	N-76360R
Chrome	N-76361R

NEW

SHORELINE RF88 FRIDGE FREEZER

NEW

- 12/24 Volt DC Fridge/Freezer.
- 60 litre capacity fridge section with Auto-Defrost
- 28 litre (-12°C) freezer section
- Reversible doors
- Interior light
- White
- Low Voltage Warning LED
- Weight: 35 Kgs
- Avg Amps per Hour (12V): 1.4 (est.)
- Dimensions: 855H x 474W x 516D mm

Part No. N-88057

Add 25mm to the overall external dimensions of the fridge or freezer to allow for ventilation & dissipation of heat from the condenser.

See our Narrowboat Section for:

- **Stoves**
- **Brassware & Hardware**
- **Chimney Fittings**
- **Engine Fittings**
- **Fridges & Freezers**
- **Portholes**
- **Lights & Lamps**
- **Mooring Items**

DELIVERY
Unable to send via carrier. Contact your local Aquafax sales depot for alternative delivery methods.

MASTERVOLT

New Mastervolt Catalogue Available Now!

DIGITAL DC 10x10A

As the pinnacle of system intelligence, the Mastervolt Digital DC 10x10A has ten 10A outputs for all functions including lighting, pumps or electronics. It comes standard with intelligent alarm functions and luxury options include:

- Follow me home (light stays on for a specific time after you leave the vessel).
- (Delayed) dimming of lights (including ten built-in dimmers).
- Alarm signal for overload.
- Every output has a hardware and software fuse.
- Reset the fuses via the MasterBus network.
- Possibility of higher currents (up to 100 A) with parallel switching of multiple outputs.

Part No. M77020400

NEW

Part No.	M77020400
MasterBus Powering:	Yes
Power consumption:	<2 mA at 12V / <2 mA at 24V (off board situation)
Protection degree:	IP21
Weight:	750 gr / 1.7 lbs
DC Output	
Connection:	cable max. 4 mm²
Max software fuse current:	10A per channel
Hardware fuse current:	15A per channel
DC Input	
Connections:	Max. 95 mm² or directly connected to MasterShunt or DC Distribution
Maximum current:	100 A
Supply voltage:	8-30 V DC

The special MasterBus Interfaces increase the versatility of your MasterBus network. Connect multiple components to distribute information to your MasterBus products or connect products that require information from the MasterBus network, such as a NMEA2000 or Modbus network, and vice versa.

All interfaces (and modules) can be installed in various ways, from DIN rails to surface mounting. Available in ten languages: English, Dutch, German, French, Spanish, Italian, Norwegian, Swedish, Finnish and Danish.

MASTERBUS COMBI INTERFACE

This interface integrates a Mastervolt Mass Combi in a MasterBus network and allows it to be operated or monitored via a MasterView panel or PC.

Part No. M77030475

NEW

Part No.	M77030475
MasterBus powering:	Yes
Dimensions H x W x D:	66 x 78 x 32 mm / 2.6 x 3.1 x 1.3 inch
Weight:	± 80g / 0.18 lbs
Protection degree:	IP21
Delivered with:	Interface connection cable, MasterBus cable, MasterBus Terminator, user's manual

See pages 24 - 26 of our new Mastervolt catalogue for full range of Masterbus interfaces.

AGM 12V SLIMLINE BATTERIES

- Ideal universal battery; also for starter functions
- Compressed AGM technology
- Saves up to 15% in volume
- Saves up to 15% in weight
- Miniscule footprint; 2x 185 Ah for a 200Ah battery footprint
- Two-year warranty

NEW

Part No.	M63001150	M63001500	M63001850
Model	12/115	12/150	12/185
Nominal Voltage:	12V	12V	12V
Capacity C20:*	115Ah	150Ah	185Ah
CCA to DIN:	545A	610A	750A
CCA to SAE:	910A	1020A	1250A
Dimensions (incl. poles):			
L x W x H (mm)	560x110x233	560x110x280	560x126x280
L x W x H (inches)	22x4.3x9.2	22x4.3x11	22x5x11
Weight:	35.6kg 78lbs	40.5kg 89lbs	54kg 119lbs

* C20 standard = battery capacity at a discharge time of 20 hours, til 1.75V per cell.

AGM 6 VOLT SERIES

- Ideal solution for cyclic applications, such as electric propulsion, wheelchairs, golf carts, etc.
- Easy configuration of 12/24/48 V battery terminals, with high capacity
- Double pole for easy installation
- No gas formation with normal use
- Two-year warranty

Part No.s in red = To Order Only

NEW

Part No.	M61002600	M61003400	M61004000
Model	6/260 Ah	6/340 Ah	6/400 Ah
Nominal Voltage:	6V	6V	6V
Capacity C20:*	260Ah	340Ah	400Ah
Dimensions (incl. poles):			
L x W x H (mm)	295x180x298	295x180x366	295x180x428
L x W x H (inches)	11.6x7.1x11.7	11.6x7.1x14.4	11.6x7.1x16.9
Weight:	36kg 79.3lbs	48.9kg 107.7lbs	55.7kg 122.7lbs

* C20 standard = battery capacity at a discharge time of 20 hours, til 5.25V.

For New Lithium Ion Battery - see p20 of the new catalogue

DELIVERY
Unable to send via carrier. Please contact your local Aquafax sales depot for delivery methods.

Lewmar Bow Thruster Kits

LEWMAR

LEWMAR BOW THRUSTER KITS NEW

New Lewmar Catalogue Available Now!

Choose the size of the thruster kit from the selection guide for your boat, add a loom, thruster tube, batteries, cable and cable terminals for your complete Lewmar Thruster.

Lewmar Bow Thruster Technical Features

- Mechanical high integrity seal on leg, no reservoir to install, no leaks and no maintenance
- High performance 5-blade propellers give equal thrust in both directions
- Spline-driven propeller, no drive pin required
- Black box electronics prevents misuse and protects motor
- Hardened and ground bevel gears for maximum efficiency and power transmission
- Self-resetting thermal protection on all motors
- Easy plug-together switch connections
- Minimum silhouette hub for smooth water flow

Kit Includes:
- Lewmar Thruster
- Lewmar Touch Panel
- Blue Sea Fuse Block and Fuse
- Blue Sea Battery Master Switch

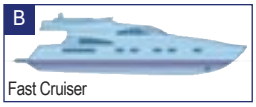
L589095
NEW Joystick Controller (when automatic system shutdown is not required).

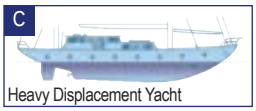
Part No.	Thruster Model	VDC	Power kW	Power HP	Tunnel Dia (mm)	Prop	Thrust kgf	Thrust lb	Weight kg	Weight lb
L591482K	140TT2.0	12	2.0	2.7	140	Single 5 blade	37	81	13	29
L591801K	185TT3.0	12	3.0	4.0	185	Single 5 blade	58	128	20	43
L591803K	185TT5.0	12	5.0	6.7	185	Single 5 blade	82	180	27	59
L591805K	185TT6.0	12	6.0	8.0	185	Single 5 blade	97	213	27	59
L592501K	250TT8.0	24	8.0	10.8	250	Twin CR Blades	160	353	46	102

Special prop for steel tubes available - Part No. L589351S

Force Factor Guide

	Force Factor Wind Effects (Conditions)	A Light Displacement/ Low Windage	B Medium Displacement/ Medium Windage	C Heavy Displacement/ High Windage
Slight	5-8M/S, 11-16 Knots, Beaufort F4, 12-18mph	1	2	3
Moderate	8-11M/S, 17-21 Knots, Beaufort F5, 19-24mph	4	5	6
Rough	11-14M/S, 21-26 Knots, Beaufort F6, 25-30mph	7	8	9





Thruster Selection Guide (Powerboats, Motor Yachts & Displacement Yachts)

After deciding FF above, locate boat LOA and appropriate TT Thruster

FF	LOA ft / LOA (m) 30 (9)	35 (10.5)	40 (12)	45 (13.5)	50 (15)	55 (16.7)	60 (18.2)
1	140TT 2.0	140TT 2.0		185TT 3.0		185TT 5.0	185TT 6.0
2	140TT 2.0	140TT 2.0		185TT 3.0		185TT 5.0	185TT 6.0
3	140TT 2.0		185TT 3.0			185TT 6.0	250TT 8.0
4	140TT 2.0		185TT 3.0		185TT 5.0	185TT 6.0	250TT 8.0
5		185TT 3.0		185TT 5.0	185TT 6.0	250TT 8.0	
6		185TT 3.0		185TT 5.0	185TT 6.0	250TT 8.0	
7	185TT 3.0		185TT 5.0	185TT 6.0	250TT 8.0		
8	185TT 3.0		185TT 5.0	185TT 6.0	250TT 8.0		
9		185TT 5.0	185TT 6.0	250TT 8.0			

LEWMAR THRUSTER CONTROL CABLES

Part No.	Description
L589021	Lewmar TT 4-way 2m control cable
L589016	Lewmar TT 4-way 7m control cable
L589017	Lewmar TT 4-way 10m control cable
L589018	Lewmar TT 4-way 14m control cable
L589019	Lewmar TT 4-way 18m control cable
L589020	Lewmar TT 4-way 22m control cable
L589015	Lewmar TT 4-way 2m extension lead

Thruster Selection Guide (Narrowboats & Widebeam Boats)

Ft / (M)	43 (13.1)	46 (14)	49 (14.9)	53 (16.2)	56 (17.1)	59 (18)	62 (18.9)	66 (20.1)	69 (21)	72 (21.9)	75 (22.9)
Narrowboat	185TT5.0					185TT6.0					
Widebeam				250TT8.0							

Valves, Pipe Fittings, Gas Equipment, Hose & Clips **1**

Hull & Engine Room Fittings **2**

Plastic Seacocks & Pipe Fittings **3**

Ultraflex Controls, Steering & Compasses **4**

Paints, Sealants & Consumables **5**

General Boat Equipment and Accessories **6**

Cabin Fittings, Hinges, Padlocks, & General Hardware **7**

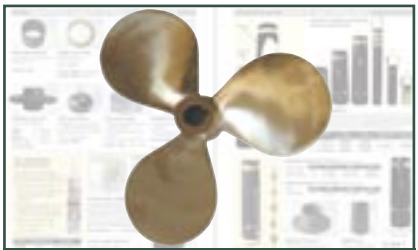
Electrical - Batteries, Cables, Terminals, Chargers & Inverters **8**

Calorifiers, Toilets, Pumps, Taps, Sinks & Fittings **9**

Johnson Pump - Engine Cooling, Bilge, Deckwash & Macerators **10**

Mastervolt Electricals - Complete Systems **M**

Lewmar - Windlasses, Anchors, Thrusters, Winches, Hardware & Steering **L**



Narrowboat Equipment **NB**

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